

AUTHOR INDEX

Adeyemo, O. (Ibadan, Nigeria)	
Application of plasma and milk progesterone assay in pregnancy diagnosis in White Fulani (Zebu) cattle	205
Ahmad, N., Shahab, M., Khurshid, S. and Arslan, M. (Islamabad, Pakistan)	
Pubertal development in the male buffalo: longitudinal analysis of body growth, testicular size and serum profiles of testosterone and oestradiol	161
Arslan, M., <i>see</i> Ahmad, N. et al.	
Asher, G.W. and Thompson, J.G.E. (Hamilton, New Zealand)	
Plasma progesterone and LH concentrations during oestrous synchronization in female fallow deer (<i>Dama dama</i>)	143
Bennett, W.A., Gonzalez, L.V., Stuart, M.J. and Fuquay, J.W. (Mississippi State, MS, U.S.A.)	
Effects of human chorionic gonadotropin pretreatment on endocrine, cytological and prostaglandin F _{2α} receptor patterns of the bovine corpus luteum	179
Berghorn, K.A., Edgerton, L.A., Cromwell, G.L. and Stahly, T.S. (Lexington, KY, U.S.A.)	
Serum progesterone and luteinizing hormone following prostaglandin F _{2α} during the sow's estrous cycle	273
Bor, A., <i>see</i> Gootwine, E. et al.	
Botha, W.A., <i>see</i> Grobbelaar, J. et al.	
Braw-Tal, R., <i>see</i> Gootwine, E. et al.	
Chemineau, P., <i>see</i> Mahieu, M. et al.	
Chupin, D., <i>see</i> Le Van Ty et al.	
Cromwell, G.L., <i>see</i> Berghorn, K.A. et al.	
Cummings, E., <i>see</i> Liptrap, R.M. et al.	
Curran, S., Kastelic, J.P. and Ginther, O.J. (Madison, WI, U.S.A.)	
Determining sex of the bovine fetus by ultrasonic assessment of the relative location of the genital tubercle	217
D'Occhio, M.J., <i>see</i> Gifford, D.R. et al.	
Driancourt, M.A., <i>see</i> Le Van Ty et al.; Mahieu, et al.; Philipon P. et al.	
Drost, M., <i>see</i> Putney, D.J. et al.	
Dzabirski, V. (Skopje, Yugoslavia) and Notter, D.R. (Blacksburg, VA, U.S.A.)	
Effects of breed and time since lambing on spring estrous activity in mature ewes	99
Ectors, F., <i>see</i> Massip, A. et al.	
Edgerton, L.A., <i>see</i> Berghorn, K.A. et al.	
Els, D.L., <i>see</i> Grobbelaar, J. et al.	
Fahmy, M.H. and Guilbault, L.A. (Lennoxville, Que., Canada)	
Effect of transportation stress on ovarian activities and reproductive performance of ewes during the anoestrous period	229
Fuquay, J.W., <i>see</i> Bennett, W.A. et al.	
Gifford, D.R. (Rosedale, S.A., Australia), D'Occhio, M.J., Sharpe, P.H., Weatherly, T. (Glen Osmond, S.A., Australia), Pittar, R.Y. and Reeve, D.V. (Rosedale, S.A., Australia)	
Return to cyclic ovarian activity following parturition in mature cows and first-calf beef heifers exposed to bulls	209
Ginther, O.J., <i>see</i> Curran, S. et al.	
Gonzalez, L.V., <i>see</i> Bennett, W.A. et al.	
Gootwine, E., Bor, A. and Braw-Tal, R. (Bet Dagan, Israel)	
Plasma FSH levels and ovarian response to PMSG in ewe lambs of related genotypes that differ in their prolificacy	109

Grobbelaar, J., Lishman, A.W., Botha, W.A. (Pietermaritzburg, South Africa), Els, D.L. (Glen, South Africa), Louw, B.P. and Van Niekerk, A. (Pietermaritzburg, South Africa)	
Attempts to improve the function of GnRH-induced corpora lutea in early post-partum ewes through oestradiol and/or PMSG priming or exogenous luteotrophin	245
Gross, T.S., <i>see</i> Putney, D.J. et al.	
Guilbault, L.A., <i>see</i> Fahmy, M.H. and Guilbault, L.A.	
Hannan, G.D., <i>see</i> Thwaites, C.J. and Hannan, G.D.	
Huether, P., <i>see</i> Liptrap, R.M. et al.	
Janson, L., <i>see</i> Stålhammar, E.-M. et al.	
Jego, Y., <i>see</i> Mahieu, M. et al.	
Kalra, D.B., <i>see</i> Mathur, A.K. et al.	
Kastelic, J.P., <i>see</i> Curran, S. et al.	
Khurshid, S., <i>see</i> Ahmad, N. et al.	
King, R.H. (Werribee, Vic., Australia) and Martin, G.B. (Nedlands, W.A. and Wembley, W.A., Australia)	
Relationships between protein intake during lactation, LH levels and oestrous activity in first-litter sows	283
Langford, G.A., Shrestha, J.N.B. and Marcus, G.J. (Ottawa, Ont., Canada)	
Repeatability of scrotal size and semen quality measurements in rams in a short-day light regime	19
Le Van Ty, Chupin, D. and Driancourt, M.A. (Monnaie, France)	
Ovarian follicular populations in buffaloes and cows	171
Levasseur, M.C., <i>see</i> Schirar, A. and Levasseur, M.C.; Schirar, A. et al.	
Liptrap, R.M., Cummings, E. and Huether, P. (Guelph, Ont., Canada)	
Effect of mid-luteal glucocorticoid injection with pulsatile administration of gonadotrophin releasing hormone on follicular growth and ovulation in the sow	131
Lishman, A.W., <i>see</i> Grobbelaar, J. et al.	
Louw, B.P., <i>see</i> Grobbelaar, J. et al.	
Mahieu, M., Jego, Y. (Martinique, French West Indies), Driancourt, M.A. and Chemineau, P. (Nouzilly, France)	
Reproductive performances of Creole and Black-Belly ewes in the West Indies. A new major gene controlling ovulation rate?	235
Marcus, G.J., <i>see</i> Langford, G.A. et al.	
Martin, G.B., <i>see</i> King, R.H. and Martin, G.B.	
Martinet, J., <i>see</i> Schirar, A. et al.	
Massip, A. (Louvain-la-Neuve, Belgium), Van der Zwalm, P., Scheffen, B. and Ectors, F. (Brussels, Belgium)	
Some significant steps in the cryopreservation of mammalian embryos with a note on a vitrification procedure	117
Mathur, A.K., Srivastava, R.S., Rawat, P.S. and Kalra, D.B. (Avikanagar, India)	
Seasonal variation in the semen characters of Soviet Angora rabbit bucks	293
McCutcheon, S.N., <i>see</i> Xu, Z.Z. et al.	
McDonald, M.F., <i>see</i> Xu, Z.Z. et al.	
Meunier, C., <i>see</i> Schirar, A. et al.	
Mullins, S., <i>see</i> Putney, D.J. et al.	
Notter, D.R. (Blacksburg, VA, U.S.A.)	
Effects of continuous ram exposure and early spring lambing on initiation of the breeding season by yearling crossbred ewes	265

- see also* Dzabirski, V. and Notter, D.R.
 Otchere, E.O., *see* Voh, A.A., Jr. and Otchere, E.O.
 Paly, J., *see* Schirar, A. et al.
 Philipon, P., Prieur, A.L. and Driancourt, M.A. (Nouzilly, France)
 Alterations in gonadotrophin secretion and ovarian sensitivity to gonadotrophins
 induced by active immunization against androstenedione 53
 Philipason, J., *see* Stålhammar, E-M. et al.
 Pittar, R.Y., *see* Gifford, D.R. et al.
 Prieur, A.L., *see* Philipon, P. et al.
 Putney, D.J. (Gainesville, FL, U.S.A.), Mullins, S. (Belfield, Ireland), Thatcher, W.W.,
 Drost, M. and Gross, T.S. (Gainesville, FL, U.S.A.)
 Embryonic development in superovulated dairy cattle exposed to elevated ambient
 temperatures between the onset of estrus and insemination 37
 Rawat, P.S., *see* Mathur, A.K. et al.
 Reeve, D.V., *see* Gifford, D.R. et al.
 Rodriguez, J.M., *see* Ubilla, E. and Rodriguez, J.M.
 Scheffen, B., *see* Massip, A. et al.
 Schirar, A. and Levasseur, M.C. (Jouy-en-Josas, France)
 Resumption of ovarian activity in post-partum ewes: carry-over effect of the corpus
 luteum of pregnancy 91
 Schirar, A., Meunier, C., Paly, J., Levasseur, M.C. and Martinet, J. (Jouy-en-Josas,
 France)
 Resumption of ovarian activity in post-partum ewes: role of the uterus 79
 Shahab, M., *see* Ahmad, N. et al.
 Sharpe, P.H., *see* Gifford, D.R. et al.
 Shrestha, J.N.B., *see* Langford, G.A. et al.
 Srivastava, R.S., *see* Mathur, A.K. et al.
 Stahly, T.S., *see* Berghorn, K.A. et al.
 Stålhammar, E-M., Janson, L. and Philipason, J. (Uppsala, Sweden)
 Genetic studies on fertility in A.I. bulls. I. Age, season and genetic effects on semen
 characteristics in young bulls 1
 Stuart, M.J., *see* Bennett, W.A. et al.
 Thatcher, W.W., *see* Putney, D.J. et al.
 Thompson, J.G.E., *see* Asher, G.W. and Thompson, J.G.E.
 Thwaites, C.J. and Hannan, G.D. (Armidale, N.S.W., Australia)
 The effects of frequency of ejaculation and undernutrition on the size and tone of the
 ram's testes 29
 Ubilla, E. and Rodriguez, J.M. (Madrid, Spain)
 Routine grouping of parturitions when using a new synthetic analogue of prostaglandin
 F_{2α} (Entiproston) administered in rabbits on day 29 of pregnancy 299
 Van der Zwalm, P., *see* Massip, A. et al.
 Van Niekerk, A., *see* Grobbelaar, J. et al.
 Voh, A.A., Jr. and Otchere, E.O. (Zaria, Nigeria)
 Reproductive performance of Zebu cattle under traditional agropastoral management in
 northern Nigeria 191
 Weatherly, T., *see* Gifford, D.R. et al.
 Xu, Z.Z., McDonald, M.F., McCutcheon, S.N. (Palmerston North, New Zealand)
 The effects of nutritionally-induced liveweight differences on follicular development,
 ovulation rate, oestrous activity and plasma follicle-stimulating hormone levels in the
 ewe 67

SUBJECT INDEX

Androstenedione

- Alterations in gonadotrophin secretion and ovarian sensitivity to gonadotrophins induced by active immunization against androstenedione 53

Behaviour

- Return to cyclic ovarian activity following parturition in mature cows and first-calf beef heifers exposed to bulls 209
 Effects of continuous ram exposure and early spring lambing on initiation of the breeding season by yearling crossbred ewes 265

Buffalo

- Longitudinal analysis of body growth, testicular size and serum profiles of testosterone and oestradiol 161
 Ovarian follicular populations in buffaloes and cows 171

Cattle

- Genetic studies on fertility in A.I. Bulls. I. Age, season and genetic effects on semen characteristics in young bulls 1
 Embryonic development in superovulated dairy cattle exposed to elevated ambient temperatures between the onset of estrus and insemination 37
 Ovarian follicular populations in buffaloes and cows 171
 Effects of human chorionic gonadotropin pretreatment on endocrine, cytological and prostaglandin $F_{2\alpha}$ receptor patterns of the bovine corpus luteum 179
 Reproductive performance of Zebu cattle under traditional agropastoral management in northern Nigeria 191
 Application of plasma and milk progesterone assay in pregnancy diagnosis in White Fulani (Zebu) cattle 205
 Return to cyclic ovarian activity following parturition in mature cows and first-calf beef heifers exposed to bulls 209
 Determining sex of the bovine fetus by ultrasonic assessment of the relative location of the genital tubercle 217

Corpus luteum

- Resumption of ovarian activity in post-partum ewes.
 Role of the uterus 79
 Carry-over effect of the corpus luteum of pregnancy 91
 Effects of human chorionic gonadotropin pretreatment on endocrine, cytological and prostaglandin $F_{2\alpha}$ receptor patterns of the bovine corpus luteum 179
 Attempts to improve the function of GnRH-induced corpora lutea in early post-partum ewes through oestradiol and/or PMSG priming or exogenous luteotrophin 245

Embryology

- Embryonic development in superovulated dairy cattle exposed to elevated ambient temperatures between the onset of estrus and insemination 37
 Determining sex of the bovine fetus by ultrasonic assessment of the relative location of the genital tubercle 217

Embryo preservation

- Some significant steps in the cryopreservation of mammalian embryos with a note on a vitrification procedure 117

Fallow deer

- Plasma progesterone and LH concentrations during oestrous synchronization 143

Feeding and nutrition

- Effects of frequency of ejaculation and undernutrition on the size and tone of the ram's testes 29

Effects of nutritionally-induced liveweight differences on follicular development, ovulation rate, oestrous activity and plasma follicle-stimulating hormone levels in the ewe	67
Relationships between protein intake during lactation, LH levels and oestrous activity in first-litter sows	283
Fertility	
Genetic studies on fertility in A.I. bulls. I. Age, season and genetic effects on semen characteristics in young bulls	1
Follicle	
Effect of mid-luteal glucocorticoid injection with pulsatile administration of gonadotrophin releasing hormone on follicular growth and ovulation in the sow	131
Ovarian follicular populations in buffaloes and cows	171
FSH	
Alterations in gonadotrophin secretion and ovarian sensitivity to gonadotrophins induced by active immunization against androstenedione	53
Effects of nutritionally-induced liveweight differences on follicular development, ovulation rate, oestrous activity and plasma follicle-stimulating hormone levels in the ewe	67
Plasma FSH levels and ovarian response to PMSG in ewe lambs of related genotypes that differ in their prolificacy	109
Genetics	
Genetic studies on fertility in A.I. bulls I. Age, season and genetic effects on semen characteristics in young bulls	1
Reproductive performances of Creole and Black-Belly ewes in the West Indies. A new major gene controlling ovulation rate?	235
GnRH	
Effect of mid-luteal glucocorticoid injection with pulsatile administration of gonadotrophin releasing hormone on follicular growth and ovulation in the sow	131
Attempts to improve the function of GnRH-induced corpora lutea in early post-partum ewes through oestradiol and/or PMSG priming or exogenous luteotrophin	245
Growth	
Longitudinal analysis of body growth, testicular size and serum profiles of testosterone and oestradiol	161
Lactation	
Relationships between protein intake during lactation, LH levels and oestrous activity in first-litter sows	283
LH	
Alterations in gonadotrophin secretion and ovarian sensitivity to gonadotrophins induced by active immunization against androstenedione	53
Resumption of ovarian activity in post-partum ewes: role of the uterus	79
Plasma progesterone and LH concentrations during oestrous synchronization in female fallow deer (<i>Dama dama</i>)	143
Serum progesterone and luteinizing hormone following prostaglandin $F_{2\alpha}$ during the sow's oestrous cycle	273
Relationships between protein intake during lactation, LH levels and oestrous activity in first-litter sows	283
Oestradiol	
Longitudinal analysis of body growth, testicular size and serum profiles of testosterone and oestradiol	161
Attempts to improve the function of GnRH-induced corpora lutea in early post-partum ewes through oestradiol and/or PMSG priming or exogenous luteotrophin	245

Oestrus

- Plasma progesterone and LH concentrations during oestrous synchronization in female fallow deer (*Dama dama*) 143
- Effects of continuous ram exposure and early spring lambing on initiation of the breeding season by yearling crossbred ewes 265
- Relationships between protein intake during lactation, LH levels and oestrous activity in first-litter sows 283

Ovarian activity

- Resumption of ovarian activity in post-partum ewes: carry-over effect of the corpus luteum of pregnancy 91
- Return to cyclic ovarian activity following parturition in mature cows and first-calf beef heifers exposed to bulls 209
- Effect of transportation stress on ovarian activities and reproductive performance of ewes during the anoestrous period 229

Ovulation

- Alterations in gonadotrophin secretion and ovarian sensitivity to gonadotrophins induced by active immunization against androstenedione 53
- Effects of nutritionally-induced liveweight differences on follicular development, ovulation rate, oestrous activity and plasma follicle-stimulating hormone levels in the ewe 67
- Effects of breed and time since lambing on spring estrous activity in mature ewes 99
- Effect of mid-luteal glucocorticoid injection with pulsatile administration of gonadotrophin releasing hormone on follicular growth and ovulation in the sow 131
- Reproductive performances of Creole and Black-Belly ewes in the West Indies. A new major gene controlling ovulation rate? 235

Parturition induction

- Routine grouping of parturitions when using a new synthetic analogue of prostaglandin $F_{2\alpha}$ (Entiproston) administered in rabbits on day 29 of pregnancy 299

Pig

- Effect of mid-luteal glucocorticoid injection with pulsatile administration of gonadotrophin releasing hormone on follicular growth and ovulation in the sow 131
- Serum progesterone and luteinizing hormone following prostaglandin $F_{2\alpha}$ during the sow's estrous cycle 273
- Relationships between protein intake during lactation, LH levels and oestrous activity in first-litter sows 283

PMSG

- Plasma FSH levels and ovarian response to PMSG in ewe lambs of related genotypes that differ in their prolificacy 109
- Attempts to improve the function of GnRH-induced corpora lutea in early post-partum ewes through oestradiol and/or PMSG priming or exogenous luteotrophin 245

Pregnancy detection

- Application of plasma and milk progesterone assay in pregnancy diagnosis in White Fulani (Zebu) cattle 205

Progesterone

- Plasma progesterone and LH concentrations during oestrous synchronization in female fallow deer (*Dama dama*) 143

Progesterone

- Resumption of ovarian activity in post-partum ewes: role of the uterus 79
- Effects of human chorionic gonadotropin pretreatment on endocrine, cytological and prostaglandin $F_{2\alpha}$ receptor patterns of the bovine corpus luteum 179

Application of plasma and milk progesterone assay in pregnancy diagnosis in White Fulani (Zebu) cattle	205
Serum progesterone and luteinizing hormone following prostaglandin $F_{2\alpha}$ during the sow's estrous cycle	273
Prolificacy	
Plasma FSH levels and ovarian response to PMSG in ewe lambs of related genotypes that differ in their prolificacy	109
Prostaglandins	
Effects of human chorionic gonadotropin pretreatment on endocrine, cytological and prostaglandin $F_{2\alpha}$ receptor patterns of the bovine corpus luteum	179
Serum progesterone and luteinizing hormone following prostaglandin $F_{2\alpha}$ during the sow's estrous cycle	273
Routine grouping of parturitions when using a new synthetic analogue of prostaglandin $F_{2\alpha}$ (Entiproston) administered in rabbits on day 29 of pregnancy	299
Rabbit	
Seasonal variation in the semen characters of Soviet Angora rabbit bucks	293
Routine grouping of parturitions when using a new synthetic analogue of prostaglandin $F_{2\alpha}$ (Entiproston) administered in rabbits on day 29 of pregnancy	299
Seasonality	
Genetic studies on fertility in A.I. bulls. I. Age, season and genetic effects on semen characteristics in young bulls	1
Seasonal variation in the semen characters of Soviet Angora rabbit bucks	293
Semen	
Genetic studies on fertility in A.I. bulls. I. Age, season and genetic effects on semen characteristics in young bulls	1
Repeatability of scrotal size and semen quality measurements in rams in a short-day light regime	19
Seasonal variation in the semen characters of Soviet Angora rabbit bucks	293
Sheep	
Repeatability of scrotal size and semen quality measurements in rams in a short-day light regime	19
Effects of frequency of ejaculation and undernutrition on the size and tone of the ram's testes	29
Alterations in gonadotrophin secretion and ovarian sensitivity to gonadotrophins induced by active immunization against androstenedione	53
Effects of nutritionally-induced liveweight differences on follicular development, ovulation rate, oestrous activity and plasma follicle-stimulating hormone levels in the ewe	67
Resumption of ovarian activity in post-partum ewes: role of the uterus	79
Resumption of ovarian activity in post-partum ewes: carry-over effect of the corpus luteum of pregnancy	91
Effects of breed and time since lambing on spring oestrous activity in mature ewes	99
Plasma FSH levels and ovarian response to PMSG in ewe lambs of related genotypes that differ in their prolificacy	109
Effect of transportation stress on ovarian activities and reproductive performance of ewes during the anoestrous period	229
Reproductive performances of Creole and Black-Belly ewes in the West Indies. A new major gene controlling ovulation rate?	235
Attempts to improve the function of GnRH-induced corpora lutea in early post-partum ewes through oestradiol and/or PMSG priming or exogenous luteotrophin	245

Effects of continuous ram exposure and early spring lambing on initiation of the breeding season by yearling crossbred ewes	265
Stress	
Embryonic development in superovulated dairy cattle exposed to elevated ambient temperatures between the onset of estrus and insemination	37
Effect of transportation stress on ovarian activities and reproductive performance of ewes during the anoestrous period	229
Superovulation	
Embryonic development in superovulated dairy cattle exposed to elevated ambient temperatures between the onset of estrus and insemination	37
Ovarian follicular populations in buffaloes and cows	171
Testis	
Repeatability of scrotal size and semen quality measurements in rams in a short-day light regime	19
Effects of frequency of ejaculation and undernutrition on the size and tone of the ram's testes	29
Longitudinal analysis of body growth, testicular size and serum profiles of testosterone and oestradiol	161
Testosterone	
Longitudinal analysis of body growth, testicular size and serum profiles of testosterone and oestradiol	161
Uterus	
Resumption of ovarian activity in post-partum ewes: role of the uterus	79

